

Yevhenii Havryliuk

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Raman characterization of Cu ₂ ZnSnS ₄ nanocrystals: phonon confinement effect and formation of Cu _x S phases. RSC Advances, 2018, 8, 30736-30746.	3.6	37
2	Optical properties of quaternary kesterite-type Cu ₂ Zn(Sn _{1-x} Ge _x)S ₄ crystalline alloys: Raman scattering, photoluminescence and first-principle calculations. RSC Advances, 2016, 6, 67756-67763.	3.6	25
3	Raman and X-ray Photoemission Identification of Colloidal Metal Sulfides as Potential Secondary Phases in Nanocrystalline Cu ₂ ZnSnS ₄ Photovoltaic Absorbers. ACS Applied Nano Materials, 2020, 3, 5706-5717.	5.0	25
4	Raman study of flash-lamp annealed aqueous Cu ₂ ZnSnS ₄ nanocrystals. Beilstein Journal of Nanotechnology, 2019, 10, 222-227.	2.8	12
5	Raman and X-ray Photoelectron Spectroscopic Study of Aqueous Thiol-Capped Ag-Zn-Sn-S Nanocrystals. Materials, 2021, 14, 3593.	2.9	9
6	Raman characterization and modelling of Cu ₂ ZnSn _{1-x} Ge _x S ₄ single crystals grown using chemical vapor transport. Optical Materials, 2017, 66, 671-677.	3.6	8
7	Thickness-dependent structural parameters of kesterite Cu ₂ ZnSnSe ₄ thin films for solar cell absorbers. Materials Letters, 2018, 225, 82-84.	2.6	8
8	Optical and Structural Characteristics of Rare Earth-Doped ZnO Nanocrystals Prepared in Colloidal Solution. Photochem, 2022, 2, 515-527.	2.2	8
9	Colloidal Cu-Zn-Sn-Te Nanocrystals: Aqueous Synthesis and Raman Spectroscopy Study. Nanomaterials, 2021, 11, 2923.	4.1	7
10	Vibrational spectroscopy of orthorhombic Cu ₂ ZnSiS ₄ single crystal: Low-temperature polarized Raman scattering and first principle calculations. Vibrational Spectroscopy, 2017, 89, 81-84.	2.2	5
11	Raman Scattering Study of Mixed Quaternary Ag _x Ga _x Ge _{1-x} Se ₂ (0.167 ≤ x ≤ 0.333) Crystals. Physica Status Solidi (B): Basic Research, 2018, 255, 1700230.	1.5	5
12	Raman and Infrared Phonon Spectra of Novel Nonlinear Optical Materials PbGa ₂ GeS ₆ and PbGa ₂ GeSe ₆ : Experiment and Theory. Physica Status Solidi (B): Basic Research, 2020, 257, 1900700.	1.5	3
13	Copper-Content Dependent Structural and Electrical Properties of CZTS Films Formed by "Green" Colloidal Nanocrystals. Electronic Materials, 2022, 3, 136-153.	1.9	2